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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

03/03/2004

FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA NEW YORK, NY 10112

EXAMINER

LEE, SUSAN SHUK YIN

ART UNIT PAPER NUMBER

2852

DATE MAILED: 03/03/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/084,170	02/28/2002	Haruo Fujii	03500.016232	4819

TITLE OF INVENTION: IMAGE FORMING APPARATUS WITH SWITCHING ELEMENTS

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/03/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status.
 See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

INSTRUCTIONS: This for appropriate. All further corindicated unless corrected by maintenance fee notification	respondence including the F below or directed otherwise	mitting the ISSUE Patent, advance order in Block I, by (a)	FEE and PUBLIC ers and notification specifying a new o	CATION FEE (if requ of maintenance fees v orrespondence address	ired). Blocks I through 4 s will be mailed to the current ; and/or (b) indicating a sep-	hould be completed where correspondence address as arate "FEE ADDRESS" for
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NEW YORK, NY	10112			addressed to the Ma transmitted to the USI	I Stop ISSUE FEE address PTO, on the date indicated be	above, or being facsimile
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3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON TH	HE PATENT (print	or type)		
PLEASE NOTE: Unless been previously submitte (A) NAME OF ASSIGN	d to the USPTO or is being s	ubmitted under sepa	rate cover. Comple	e patent. Inclusion of a tion of this form is NO TY and STATE OR CO	ssignee data is only appropri T a substitute for filing an ass UNTRY)	ate when an assignment ha signment.
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4a. The following fee(s) are	enclosed:		Payment of Fee(s):			
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(Authorized Signature)		(Date)		1		
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NEW YORK, I		A		ART UNIT	PAPER NUMBER
•				2852	
				DATE MAILED: 03/03/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 161 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 161 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	
	10/084,170	FUJII ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Susan S. Lee	2852	pw
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT OF THE OFFICE OFFICE OF THE OFFICE OF THE OFFICE OF THE OFFICE OFFI	OR REMAINS) CLOSED in other appropriate comm GHTS. This application is	in this application. If not include nunication will be mailed in due of	d course. THIS
1. X This communication is responsive to amendment filed 1/2/0	<u>14</u> .		
2. 🔀 The allowed claim(s) is/are <u>1-3 and 6-20</u> .			
3. 🛮 The drawings filed on 28 February 2002 are accepted by th	e Examiner.		
4. Acknowledgment is made of a claim for foreign priority under a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Certified copies not received:	been received. been received in Application and the communication to fill this communication to fill enter the communication. It does not the attached EX is reason(s) why the oath communication to the submitted. It is application. It does not the attached exists a reason and the communication to the submitted. It is application.	on No ed in this national stage applicate a reply complying with the requestion and the reply complying with the requestion of the drawings in the front (not the FR 1.121(d).	uirements OTICE OF back) of
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	6. ☐ Interview S Paper No 3), 7. ☐ Examiner's	nformal Patent Application (PTC Gummary (PTO-413), ./Mail Date s Amendment/Comment s Statement of Reasons for Allow Susan S. Lee Primary Examiner Art Unit: 2852	·

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

The primary reason for allowance of claims 1-3, 9-12, and 14-16 is the inclusion of the peripheral length of the image bearing member in the moving direction is an integral multiple of one dot and that each switching element corresponds to one dot of pixels of the latent image. This is found in all of claims 1-3, 9-12, and 14-16, but not disclosed nor suggested by the prior art of record.

The primary reason for allowance of claims 6 and 7 is the inclusion of optical communications means for inputting the image signal into each switching element. The optical communications means as described (35 USC 112, 6th paragraph) in the specification, page 12, lines 8-10 or equivalence thereof, comprises a light receiving unit or photodiode 25 and a light emitting unit or laser diode 23. This is found in all of claims 6 and 7, but not disclosed nor suggested by the prior art of record.

The primary reason for allowance of claim 8 is the inclusion of radio waves communications means for inputting the image signal into each switching element. This is found in all of claim 8, but not disclosed nor suggested by the prior art of record.

The primary reason for allowance of claim 13 is the inclusion of density detecting means for detecting a density of the toner image formed on the image bearing member, and a voltage applied to each switching element that is set on the basis of a detected result from the density detecting means. This is found in all claim 13, but not disclosed nor suggested by the prior art of record.

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The primary reason for allowance of claims 17-20 is the inclusion of each switching element having a plurality of electrodes, wherein an image forming electrode, out of the plurality of electrodes, which forms the latent image is provided so as to protrude outward in comparison with other electrodes. This is found in all of claims 17-20, but not disclosed nor suggested by the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan S. Lee whose telephone number is 571-272-2137. The examiner can normally be reached on Mon. - Fri., 10:30-8:00, Second Monday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Art Grimley can be reached on 571-272-2136. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/084,170

Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 2852

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Susan S. Lee Primary Examiner Page 4

Art Unit 2852

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